Index of Claims

Application/Control No.

10/615,567 Examiner

M. Wilczewski

Applicant(s)/Patent under Reexamination

BONART ET AL.

Art Unit

2822

| √ | Rejected |
|---|----------|
|   | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Ν | Non-Elected  |
|---|--------------|
| 1 | Interference |

| Α | Appeal   |
|---|----------|
| o | Objected |

| Claim Date |          |          |                     | 7::::    | Claim Date |          |                 |   |  |              |          |          | וווור    | Claim Date                                       |                                     |          |          |          |              |   |         |        |             |            |                |                 |              |          |              |          |               |          |          |
|------------|----------|----------|---------------------|----------|------------|----------|-----------------|---|--|--------------|----------|----------|----------|--|-------------------------------------|----------|----------|----------|--------------|---|---------|--------|-------------|------------|----------------|-----------------|--------------|----------|--------------|----------|---------------|----------|----------|
| U16        |          |          |                     |          |            | 1        | <del>- 51</del> | I   | <u>.                                    </u> | Date         |          |          |          |  |                                     |          | ⊢        | T        | Date         |   |         |        |             |            |                |                 |              |          |              |          |               |          |          |
| Final      | Original | 2/17/05  |                     |          |            |          |                 |   |  |              |          | Final    | Original |  |                                     |          |          |          |              |   |         |        | Final       | Original   |                |                 |              |          | ,            |          | :             |          |          |
|            | 1        | N        | -+                  | +        | -          | $\dashv$ | $\dashv$        |   | ┝  | ╁            | -        | <u> </u> | 51       |  | -                                   | $\dashv$ | _        | $\dashv$ | $\dashv$     | +   | ╁       | 1      |             | 101        |                | $\dashv$        | +            | +        | 十            | $\dashv$ | $\dashv$      | $\dashv$ | _        |
|            | 2        | N        |                     | -+       |            | $\dashv$ |                 |   | $\vdash$                                     | ╁╴           | 1        | $\vdash$ | 52       |  |                                     |          | _        | _        | $\dashv$     | 十   | +       | 1      |             | 102        | $\dashv$       | $\dashv$        | $\dashv$     | 7        | $\dashv$     | -        | -+            | 寸        |          |
|            | 3        | N        |                     | _        |            |          |                 |   | _  | ✝            | 1        |          | 53       | $\vdash$   |                                     | ヿ        | ┪        | $\dashv$ | $\dashv$     | 十   | T       | 1      |             | 103        | $\neg$         |                 | 7            | 7        |              |          | 寸             | コ        |          |
|            | 4        | N        |                     | 十        | 7          |          |                 |   |  | ✝            | 1        |          | 54       |  |                                     |          | 一        |          | $\neg$       | $\neg$  |         | 1      |             | 104        |                | $\neg \uparrow$ | $\neg$       | ╗        | $\dashv$     | $\neg$   | $\dashv$      | 寸        | _        |
|            | 5        | N        |                     | 十        | 寸          |          |                 |   |  | 1            |          |          | 55       |  |                                     | 一        | 一        |          | $\dashv$     | $\top$  |         | 1      |             | 105        |                |                 | 十            | T        | ヿ            | 寸        | ヿ             | ヿ        |          |
|            | 6        | N        |                     | ヿ        | T          |          |                 |   | Г  | 丅            |          |          | 56       |  |                                     |          |          | $\neg$   | $\neg$       | T   |         | 1      |             | 106        | $\Box$         |                 |              |          | $\neg$       |          | $\neg$        | $\neg$   |          |
|            | 7        | Ν        |                     | $\neg$   | T          |          |                 |   |  |              | 1        |          | 57       |  |                                     |          |          |          |              | $\top$  |         |        |             | 107        |                |                 |              |          |              |          |               |          |          |
|            | 8        | Ν        |                     |          | T          |          |                 |   | Г  |              |          |          | 58       |  |                                     |          |          |          |              |   |         | ]!!!!  |             | 108        |                |                 |              |          |              |          |               |          |          |
|            | 9        | Z        |                     |          |            |          |                 |   |  |              |          |          | 59       |  |                                     |          |          |          |              | $\perp$   |         | ]      |             | 109        |                |                 |              |          |              |          |               | $\Box$   |          |
|            | 10       | z        |                     | $\Box$   |            |          |                 |   |  |              | ]        |          | 60       |  |                                     |          |          |          |              |   |         | ]      |             | 110        |                |                 | _ _          | _        |              |          | ightharpoonup | _        |          |
|            | 11       | N        |                     |          |            |          |                 |   |  | $\perp$      |          | <u> </u> | 61       |  |                                     |          | _        | _        | _ _          | ┵   | ┸       | _      |             | 111        |                |                 | _            | 4        | _            | _        | _             | _        |          |
|            | 12       | N        | Щ                   |          | _[         |          |                 |   |  | L            | 1        | <u> </u> | 62       |  | Ш                                   |          | _        | .        | _ _          | _   | $\perp$ | 4      | <u> </u>    | 112        | <b> </b>       |                 | _            | 4        | 4            | 4        | $\dashv$      | 4        | _        |
|            | 13       | N        | Ш                   | 1        | _          |          |                 |   |  | L            | 4        |          | 63       |  | Щ                                   |          | _        | -        | _ _          | $\bot$  | $\bot$  | 4      | <u> </u>    | 113        | $\sqcup$       | _               | _            | 4        | $\downarrow$ | _        | $\dashv$      | 4        |          |
|            | 14       | N        | $\sqcup$            | $\perp$  | _          |          |                 |   |  |              |          | <u> </u> | 64       | <u> </u>   | Ш                                   | _        | 4        |          | _            | $\perp$   | $\bot$  | 4      | <u> </u>    | 114        |                |                 | _            | $\dashv$ | _            | _        | $\dashv$      | 4        | _        |
|            | 15       | N        | $\sqcup$            | 4        | _          |          |                 |   | _  | ╄            | 4        |          | 65       | ļ  |                                     |          | _        | _        | -            | _ _   | +       | 4      |             | 115        |                | _               |              | 4        | _            | _        | $\rightarrow$ | 4        | _        |
|            | 16       | 1        | $\sqcup$            | _        | 4          |          | $\Box$          |   | ļ  | ╄            | 4        | <u> </u> | 66       | ļ  |                                     | _        | -        | -        | _            | -   | _       | -      |             | 116        | $\vdash$       |                 |              | -        |              | $\dashv$ | $\dashv$      | $\dashv$ | _        |
|            | 17       | 1        | Ш.                  | $\dashv$ | 4          |          |                 |   | L  | -            | 4        |          | 67       |  |                                     | _        |          | $\dashv$ | +            | +   | +       | -      | <u> </u>    | 117        | Н              | -               | -            | 4        |              | -        | $\rightarrow$ |          | _        |
|            | 18       | 0        | $\vdash$            | 4        | 4          |          |                 |   |  | _            | 4        |          | 68       | ₩  |                                     | _        |          | -        | -+           | +   | +       | 4      | <u> </u>    | 118        | $\vdash$       |                 | 4            | $\dashv$ | $\dashv$     | 1        | $\dashv$      |          |          |
|            | 19       | 1        | $\vdash$            | 4        | _          |          |                 |   | _  | _            | -        | <u> </u> | 69       | <u> </u>   | -                                   | -        | _        | _        | +            | +   | +       | -      |             | 119        | $\vdash$       |                 |              | 4        | -            | $\dashv$ | $\dashv$      | $\dashv$ | _        |
|            | 20       | 1        | $\vdash$            | 4        | 4          |          | _               |   | ┡  | $\vdash$     | -        |          | 70       | <u> </u>   |                                     |          |          | -        |              | +   | +       | -      |             | 120        | $\vdash\vdash$ | $\dashv$        | +            | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$      | $\dashv$ |          |
|            | 21       | 1        | $\vdash$            | $\dashv$ | 4          |          | Ш               |   | _  | ┼            | -        | <u> </u> | 71       | <b></b>  |                                     |          |          |          | +            | -   | -       | -      |             | 121        | $\vdash$       |                 | -            |          | -            |          | $\dashv$      | $\dashv$ |          |
|            | 22       | <u> </u> | ⊢-                  | -        | -          |          |                 |   | L  | <del> </del> | -        |          | 72       |  |                                     | -        |          | -+       | +            | +   | +       | -      |             |            | Н              | -               | +            | $\dashv$ | -            |          | -             | $\dashv$ | _        |
|            | 23       | ┝        | $\vdash$            | -        | 4          |          |                 |   | -  | +-           | -        | <u> </u> | 73       | <del>                                     </del> | $\vdash$                            | -        | -        | -        | +            | +   | +       | -      |             | 123<br>124 | H              | -               | $\dashv$     | +        | -            |          | $\dashv$      |          |          |
|            | 24       | _        | $\vdash$            | -        | -          |          |                 |   | -  | ╁            | -        | <u> </u> | 74<br>75 |  | $\vdash$                            | -        | -        | -        | +            | +   | +       | -      |             | 125        | Н              | +               | +            | $\dashv$ | $\dashv$     |          | $\dashv$      |          | _        |
|            | 25       | ┝        | $\vdash$            |          | -          | -        | -               | _   | ⊢  | +            | -        | <u> </u> | 76       |  |                                     | -        | -        | -        | +            | +   | +       | -      |             | 126        | $\vdash$       | $\dashv$        | +            | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$      | $\dashv$ | _        |
|            | 26<br>27 | ┝        | $\vdash$            | +        | ┥          |          |                 | _   | ┝  | ╁            | -        | <u> </u> | 77       |  | $\vdash$                            | $\dashv$ | -        | -        | +            | +   | +       | -      |             | 127        | -              | +               | +            | $\dashv$ | ┪            |          | $\dashv$      | ┪        | _        |
|            | 28       | ⊢        | $\vdash$            | +        | $\dashv$   | -        |                 | $\vdash$  | ⊢  | +            | -        |          | 78       | <del>                                     </del> |                                     | $\dashv$ | -        |          | ╅            | +   | +       | -      | -           | 128        | Н              | -               | +            | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$      | $\dashv$ | _        |
|            | 29       | ⊢        | $\vdash$            | $\dashv$ | $\dashv$   |          |                 |   | ╁  | ╁            | -        | -        | 79       | <del> </del>                                     |                                     | ┪        |          | -        | +            | +   | +       | -      | <del></del> | 129        | Н              |                 | +            | ┪        | $\dashv$     | 一        | $\dashv$      | ᅱ        |          |
|            | 30       | -        | $\vdash$            | $\dashv$ | $\dashv$   | _        |                 |   |  | ╁            | ┨        |          | 80       |  | Н                                   | $\dashv$ |          | $\dashv$ | +            | +   | +       | 1      |             | 130        |                | -               | $\dashv$     | $\dashv$ | ┪            | -        | $\dashv$      | $\dashv$ |          |
|            | 31       | -        | $\vdash$            | +        | ┪          |          |                 |   | H  | +            | 1        |          | 81       | $\vdash$   |                                     | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$     | +   | +       | -      |             | 131        | H              |                 | +            | +        | $\neg$       | $\dashv$ | $\dashv$      | $\dashv$ |          |
|            | 32       | -        | $\vdash$            | $\dashv$ | ┥          |          |                 |   |  | +            | ┨Ш       |          | 82       | $\vdash$   |                                     | $\dashv$ | $\dashv$ | $\dashv$ | _            | +   |         | -      |             | 132        | $\vdash$       | $\dashv$        | $\top$       | ┪        | _            | $\dashv$ | $\dashv$      | $\dashv$ |          |
|            | 33       |          | -+                  | $\dashv$ | $\dashv$   |          | _               |   | $\vdash$                                     | +            | ┧        | $\vdash$ | 83       | <b>†</b>   |                                     | _        | _        | $\neg$   |              | _   | _       | 7      |             | 133        |                | $\neg$          | $\dashv$     | ┪        | T            | 一        | $\dashv$      | $\dashv$ |          |
|            | 34       | Н        | $\vdash$            | $\dashv$ | $\dashv$   | -        |                 |   |  | $\dagger$    | 1        |          | 84       | T  |                                     | _        | 一        | _        | $\dashv$     |   | +       | 1      |             | 134        | П              |                 | $\top$       | 1        | 寸            |          | $\dashv$      | ┪        |          |
|            | 35       | $\vdash$ |                     | 1.       | $\dashv$   |          |                 |   | 1  | t            | 1        |          | 85       |  | П                                   | $\dashv$ | 寸        | $\dashv$ | $\dashv$     | $\top$  | 1       | 7      |             | 135        | П              |                 | $\dashv$     | 7        | 1            |          | 寸             | $\neg$   |          |
|            | 36       | Г        |                     | $\dashv$ | $\dashv$   |          |                 | _   | T  | T            | 1        |          | 86       |  |                                     | $\neg$   | 寸        | $\dashv$ | T            | $\top$  | 1       | 1::::  |             | 136        | П              |                 | _            | ┪        | 寸            | $\neg$   | $\neg$        | ヿ        |          |
|            | 37       |          | $\sqcap$            | $\neg$   | ┪          |          |                 |   | Г  | t            | 1        |          | 87       |  |                                     |          | T        |          | _            | 7   | 1       | 7      |             | 137        |                |                 |              |          |              |          | $\Box$        |          | L        |
|            | 38       | Г        | $\sqcap$            | 一        |            |          |                 |   | Γ  | T            | 1        |          | 88       |  |                                     |          |          | _†       |              |   |         | ]      |             | 138        |                |                 |              |          |              |          | J             |          |          |
|            | 39       |          |                     |          | ╗          |          |                 |   |  |              |          |          | 89       |  |                                     |          |          |          | $\Box$       | Ⅱ   | I       | ]      |             | 139        |                |                 | $\Box$       | J        |              |          | $\subseteq$   |          |          |
|            | 40       |          |                     |          | ┚          |          |                 |   |  |              |          |          | 90       |  |                                     |          |          |          | $oxed{oxed}$ |   |         | _      |             | 140        | Ш              |                 | $\perp$      | $\prod$  | $\Box$       |          | $\Box$        |          | _        |
|            | 41       |          |                     |          |            |          |                 |   |  | Г            | ]        |          | 91       |  |                                     |          |          |          | $\perp$      | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $\perp$ | _      |             | 141        | Ш              | $\Box$          | $\perp$      | $\perp$  | [            |          | $\Box$        |          |          |
|            | 42       |          |                     |          |            |          |                 |   |  | $\perp$      | 4        |          | 92       |  |                                     |          | _]       | _[       | $\perp$      | $\perp$   | $\perp$ | _      |             | 142        | Ш              | $\sqcup$        | $\perp$      | Ц        |              |          | $\dashv$      |          | <u>_</u> |
|            | 43       |          | $\Box$              | $\perp$  |            |          |                 |   |  | ļ            | 1        | <u> </u> | 93       |  |                                     | $\sqcup$ |          | [        | $\perp$      | $\perp$   | $\perp$ | _      |             | 143        | Ш              | $\perp$         | _            | _        |              | _        | $\dashv$      |          | <u> </u> |
|            | 44       | Ĺ        | Ш                   |          | _          |          | Ш               | $ldsymbol{le}}}}}}$ |  | $\perp$      | 4        | <u> </u> | 94       | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |          | _        | _        | $\dashv$     | $\perp$   | $\perp$ | -      | <u> </u>    | 144        | Ш              | $\dashv$        | 4            | _        | _            | _        | Щ.            | _        | $\vdash$ |
|            | 45       |          |                     | $\perp$  | Ц          |          | $\sqcup$        | _   | L  | $\perp$      | <b>.</b> | <u></u>  | 95       | <u> </u>   | <u></u>                             |          | _        |          | $\perp$      | _   | $\perp$ | 4      |             | 145        | Ш              |                 | $\downarrow$ | 4        | _            |          | 4             | _        | L        |
|            | 46       | L        | Щ                   | $\perp$  | _          |          | Ш               | Ш   | L  | $\perp$      | 4        | <u> </u> | 96       | _  | Ш                                   |          | _        | _        | $\dashv$     | $\bot$  | $\perp$ | _      |             | 146        | Ш              | $\perp$         | $\perp$      | 4        | _            |          | $\dashv$      | _        | <u> </u> |
|            | 47       | L        | Ш                   |          | ᆚ          |          |                 |   |  | <u> </u>     | 4        | <u> </u> | 97       | $\vdash$   | Ш                                   |          | _        | _        | $\dashv$     | _ _   | $\bot$  | 4      | <u> </u>    | 147        | Ш              | $\dashv$        | 4            |          | _            |          | $\dashv$      | _        | <u> </u> |
|            | 48       | <u> </u> | $\sqcup \downarrow$ |          | ᆜ          |          |                 |   | L  | ╄            | 4        | <u> </u> | 98       | _  | Ш                                   |          | _        | _        | -            | 4   | $\perp$ | -      | <u> </u>    | 148        | Щ              | $\dashv$        | -            | _        |              |          |               | _        | <u> </u> |
|            | 49       |          | Щ                   |          | _          |          |                 | L!  | _  | 1            | 4        | <u> </u> | 99       | <u> </u>   | Щ                                   |          | _        | _        | $\perp$      | $\perp$   | 4       | 4      | <u> </u>    | 149        | Щ              | <u>.</u>        | _            | 4        | _            | _        | _             | _        | $\vdash$ |
| l          | 50       | ı        | 1 1                 | - 1      |            |          |                 |   | ı  |              | 1::::    | :1       | 100      | 1  |                                     | 1        | - 1      | - 1      |              |   |         | 1::::: | ı           | 150        | 1              |                 |              |          | - 1          |          | . 1           |          | 1        |